

LISTING OF CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application:

1-3. **(Canceled)**.

4. **(Currently amended)** A method of detecting Pin1 in a cell sample, comprising contacting a cell sample with a binding reagent to Pin1 and determining specific binding of said binding reagent to a polypeptide or nucleic acid within said cell sample, wherein specific binding of said binding reagent is indicative of the presence of Pin1 in said cell sample.

5. **(Currently amended)** The method of ~~claim 14~~claim 4 wherein said binding reagent comprises a nucleic acid.

6. **(Previously presented)** The method of claim 5, wherein said nucleic acid comprises DNA or RNA.

7. **(Currently amended)** The method of claim 6, wherein in said DNA or RNA comprises an isolated nucleic acid having at least about 15 contiguous nucleotides of a nucleotide sequence ~~substantially the same as~~ as set forth in SEQ ID NO:1.

8. **(Currently amended)** The method of claim 4, wherein said binding reagent comprises an antibody that selectively binds to an epitope of a Pin1 polypeptide having ~~substantially the same~~ an amino acid sequence as set forth in SEQ ID NO:2.

9. **(Previously presented)** The method of claim 4, wherein said cell sample comprises a cell, tissue, biological fluid or component thereof suspected of containing a Pin1 antigen or encoding nucleic acid.

10. **(Previously presented)** The method of claim 4, wherein said cell sample comprises a human cell sample.

11. **(Previously presented)** The method of claim 10, wherein said cell sample comprises a hyperproliferative cell.

12. **(Currently amended)** The method of claim 11, wherein said hyperproliferative cell is from a cancer.

13. **(Currently amended)** The method of claim 12, wherein said cancer is selected from the group consisting of lung cancer, breast cancer, lymphoid cancer, cancer of the gastrointestinal, genito-urinary tract, adenocarcinoma, colon cancer, renal-cell carcinoma, prostate cancer, leukemia, non-small cell carcinoma of the lung, cancer of the small intestine, and cancer of the ~~esophagus~~esophagus.

14-33. **(Canceled)**.

34. **(New)** The method of claim 11, further comprising detecting a difference in an amount of specific binding of said Pin1 binding reagent within said hyperproliferative cell as compared to an amount of specific binding of said Pin1 binding reagent to a polypeptide or nucleic acid within a normal cell.